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NOTICE OF ALLOWANCE AND FEE(S) DUE

46135

7590

12/10/2010

KLARQUIST SPARKMAN, LLP 121 S.W. SALMON STREET SUITE 1600 PORTLAND, OR 97204 EXAMINER

BOESEN, AGNIESZKA

ART UNIT PAPER NUMBER

1648

DATE MAILED: 12/10/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535,523	03/24/2006	Thomas W Hodge	6395-66741-06	8826

TITLE OF INVENTION: CELL LINES AND HOST NUCLEIC ACID SEQUENCES RELATED TO INFECTIOUS DISEASE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/10/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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KLARQUIST SPARKMAN, LLP 121 S.W. SALMON STREET SUITE 1600				Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the Unite States Postal Service with sufficient postage for first class mail in an envelop addressed to the Mail Stop ISSUE FEE address above, or being facsimil transmitted to the USPTO (571) 273-2885, on the date indicated below.				
PORTLAND, O	R 97204						(Depositor's name)	
							(Signature)	
							(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.	
10/535,523	03/24/2006		Thomas W Hodge	e 6395-66		395-66741-06	8826	
TITLE OF INVENTION	: CELL LINES AND H	OST NUCLEIC ACID SE	EQUENCES RELATED	TO INFECTIOUS I	DISEAS	Е		
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	JE FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1510	\$300	\$0		\$1810	03/10/2011	
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BOESEN, A	GNIESZKA	1648	435-006000	_				
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PLEASE NOTE: Unl	less an assignee is ident	ified below, no assignee	data will appear on the	patent. If an assign	nee is io	lentified below, the do	ocument has been filed for	
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			overpayment, to Dep	osit Account Numb	er	(enclose ar	extra copy of this form).	
5. Change in Entity Sta	tus (from status indicate is SMALL ENTITY state	*	☐ b. Applicant is no lo	nger claiming SMA	II EN'	FITV status See 37 CE	(R 1 27(a)(2)	
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interest as shown by the	records of the United Sta	ites Patent and Trademark	COffice.					
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10/535,523	03/24/2006	Thomas W Hodge	6395-66741-06	8826	
46135	46135 7590 12/10/2010		EXAMINER		
KLARQUIST SPARKMAN, LLP 121 S.W. SALMON STREET			BOESEN, AGNIESZKA		
			ART UNIT	PAPER NUMBER	
SUITE 1600 PORTLAND, OF	R 97204		1648 DATE MAILED: 12/10/201	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 228 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 228 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)		
	10/535,523	HODGE ET AL.		
Notice of Allowability	Examiner	Art Unit		
	AGNIESZKA BOESEN	1648		
	AGNIESZKA BUESEN	1048		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in s) or other appropriate commun RIGHTS. This application is su	this application. If not included nication will be mailed in due coul	rse. THIS	
1. X This communication is responsive to September 15, 2010	<u>)</u> .			
2. The allowed claim(s) is/are 46,72 and 73.				
3. ☐ Acknowledgment is made of a claim for foreign priority c a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have		r (f).		
□ Certified copies of the priority documents have □ Certified copies of the priority documents have		. No		
3. Copies of the certified copies of the priority decome not also as a copies of the priority decome of th	• •		from the	
•	ocuments have been received	in this national stage application	nom the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the require	ements	
4. A SUBSTITUTE OATH OR DECLARATION must be subr INFORMAL PATENT APPLICATION (PTO-152) which give			CE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mu	ust be submitted.			
(a) I including changes required by the Notice of Draftsper	rson's Patent Drawing Review	(PTO-948) attached		
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	_ •			
(b) ☐ including changes required by the attached Examined Paper No./Mail Date	r's Amendment / Comment or	n the Office action of		
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			k) of	
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1. Notice of References Cited (PTO-892)		ormal Patent Application		
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No./N	/lail Date		
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>9/15/2010</u> 	7. 🔀 Examiner's A	Amendment/Comment		
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☐ Examiner's \$	Statement of Reasons for Allowan	ice	
o. Diological Material	9. 🔲 Other	,		
/Agnieszka Boesen/	/Zachariah Luca	ıs/		
Examiner, Art Unit 1648	Supervisory Pate	Supervisory Patent Examiner, Art Unit 1648		

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Karri Kuenzli Bradley on December 1, 2010.

The application has been amended as follows:

IN THE CLAIMS:

Amend the allowed claims 46, 72 and 73 as follows:

46. A method of identifying a compound that decreases binding of an HIV envelope protein to a full length wild-type human Rab9 protein, comprising:

contacting the full length wild-type human Rab9 protein with an HIV envelope protein and a test compound to allow interaction between the full length wild-type human Rab9 protein and the HIV envelope protein; and

determining whether binding of the HIV envelope protein to the full length wild-type human Rab9 protein is decreased in the presence of the test compound, the decrease in binding being an indication that the test compound decreases the binding of the HIV envelope protein to the full length wild-type human Rab9 protein.

72. The method of claim 46, wherein the method comprises expressing the full length wild-type human Rab9 protein in a cell, and contacting the full length wild-type human Rab9

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protein with the HIV envelope protein and a test compound comprises exposing the cell to the HIV envelope protein and the test compound.

73. The method of claim 46, wherein the full length wild-type human Rab9 protein or the HIV envelope protein comprises a label, and determining whether binding is decreased comprises detecting an amount of label present on full length wild-type human Rab9 protein or the HIV envelope protein.

Examiners comment

Claims 46, 72 and 73 were amended to overcome the remaining written description issues discussed in the non-final Office action on April 15, 2010 and to clarify the location of the label.

Conclusion

Claims 46, 72 and 73 are allowable.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AGNIESZKA BOESEN whose telephone number is (571)272-8035. The examiner can normally be reached on 9:00 AM to 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zachariah Lucas can be reached on 571-272-0905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 1648

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Agnieszka Boesen/ Examiner, Art Unit 1648

/Zachariah Lucas/ Supervisory Patent Examiner, Art Unit 1648